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ADDITIONS TO THE MUSEUM.

1894.

ARCHÆOLOGY, ETHNOLOGY, ETC.

- Rev. L. T. Chamberlain. Stone idol, Mexico.
 Dr. S. G. Dixon. Casts of Mexican vase and idol.
 Mrs. M. N. Frederick. Mortar and pestle, Argentine Republic.
 Clarence B. Moore. Two aboriginal American crania, New York.
 Dr. Geo. A. Rex. Stone axe, Philadelphia.
 S. N. Rhoads. Aboriginal knee ornament, Colorado.
 Dr. Benj. Sharp. A collection of Hawaiian implements, fifty-five specimens and two trays.

MAMMALS.

- A. E. Brown. Skin of *Ursus cinnamomeus*.
 Mrs. G. W. Carpenter. Teeth and jaw of *Physeter macrocephalus*.
 Dr. H. C. Chapman. Disarticulated skeleton of *Sus scrofa* L. Cast of brain of *Cynocephalus* sp.
 Prof. E. D. Cope. *Perognathus copei* (type), Texas. Skull of *Bison bison*. *Adelomycteris fuscus*, Missouri.
 Dr. S. G. Dixon. Skeleton of Eskimo dog (*Canis familiaris*).
 F. L. Garrison. Mounted Caribou head.
 Wm. Justice. Three skins *Evotomys*, Adirondacks.
 D. N. McCadden. One disarticulated skeleton *Tatusia novemcincta*.
 Peary Relief Expedition. Twenty mammal skulls.
 Zoological Society of Philadelphia. Mounted specimens of *Felis tigris*, *Bison bison* (juv.), *Macacus ochreatus*, *Capreolus capreolus*, *Erethizon dorsatus*, *Tapirus* sp., *Dasyprocta acouchy*, *Felis eyra*.
 Skins of *Sciurus* sp. (Java), *Nandinia binotata*, *Felis caracal*, *Cercopithecus albogularis*, *Felis eyra*, *F. yagouaroundi*, *Galago garnettii*, *Midas rufimanus*.
 Skeletons of *Ursus cinnamomeus*, *Canis familiaris*, *Felis leo*, *Camelus dromedarius*, *Cervus porcinus*, *Felis tigris*, *F. eyra*, *F. yagouaroundi*, *F. caracal*, *Erethizon dorsatus*, and two others.
 Skulls of *Sciurus* sp., *Nandinia binotata*, *Felis eyra*, and two others.
 Alcoholic specimens of *Lemur varius* (viscera), *Felis concolor* (juv.), *Macacus* sp. (foetus), *Galago garnettii*.
 H. A. Pilsbry. Two skulls and three alcoholic specimens, Florida.
 S. N. Rhoads. Four specimens *Condylura cristata*, Me. Two specimens *Blarina talpoides*, Haddonfield, N. J. One jar *Adelomycteris*

- fuscus*, Tarpon Springs, Fla. Twelve skins and skulls and two alcoholic specimens, Waynesburg, Greene Co., Pa.
- Dr. W. S. W. Ruschenberger. One skull of *Canis familiaris*.
- H. E. Sargent. Ten jars mammals.
- J. Shulze. One skull *Lutra hudsonica*, Monroe Co., Pa. One skeleton of *Lutra hudsonica*, Monroe Co., Pa.
- Wagner Institute, in exchange. Skins of *Bassariscus*, *Neotoma*, and *Aplodontia*, Oregon.
- Dr. W. L. Zuill. Skeleton of *Equus burchelli*.
- Purchased. Mounted specimens *Putorius erminea*, Bergen Co., N. J. *Erethizon dorsatus* and *Lutra hudsonica*, Potter Co., Pa. One hundred and twenty-two skins, California (collected by R. B. Herron).

BIRDS.

- Geo. B. Benners. *Dendroica chrysoparia*, Comal Co., Texas. *Ceryle torquata*, Laredo Co., Tex.
- Mrs. G. W. Carpenter. Skull of *Struthio camelus*.
- C. S. Hebard. *Anas cyanoptera*, Florida.
- Mrs. A. D. Hockley. Egg of *Struthio camelus*.
- J. S. and W. H. Jenks, and Mrs. R. W. Randolph. *Haliaetus leucocephalus*, *Grus mexicanus*.
- Zoological Society of Philadelphia. Mounted specimens of *Gracula intermedia*, *Casuarius australis*, *Dromaius irroratus*, *Struthio molybdophanes*.
- Skins of *Lorius domicella*, *Cygnus nigricollis*, *Plectolophus nasica*, *Chrysolophus amherstiae*, *Ornithida albiventris* (3), *Colinus cristatus*, *Phasianus torquatus*, *Conurus acuticaudatus*, *Eulabeia indica*, *Amblyrhynchus holosericeus*, *Tadorna tadorna*, *Clophaga magellonica*, and two others.
- Skulls and sterna of *Anhinga anhinga*, *Milvus ictinus*, and five others. One skeleton.
- Delaware Valley Ornithological Club. Fifteen mounted specimens.
- S. N. Rhoads. *Dryobates borealis* (juv.), Florida. *Polioptila caerulea*, Waynesburg, Pa. *Podilymbus podiceps*, Pike Co., Pa.
- B. H. Vandecker, Jr. Forty-five skins from Guatemala.
- Purchased. *Aythya americana*, Flamingo. Seventy-eight California skins collected by R. B. Herron.
- By purchase and exchange. Forty-five skins from California, Florida, and Connecticut.

REPTILES AND BATRACHIANS.

- A. P., S., and F. H. Brown and W. Stone. Thirty-three jars reptiles and batrachians from Pennsylvania and New Jersey.
- E. D. Cope. Thirty-seven jars from Oklahoma, Texas, and Indiana.
- H. C. Chapman, M.D. Three skulls.

- Dr. S. G. Dixon. *Eumeces pentalineatus*, Md. Seven jars reptiles, Maine.
 J. Fannin. *Gerrhonotus garnettii*, Victoria, B. C.
 Dr. W. E. Hughes. Three jars, Canada.
 Howard Y. Pennell. One jar, Pa.
 Zoological Society of Philadelphia. *Hyla maxima*, *Iguana tuberculata*, *Testudo tabulata*, skin of *Megalobatrachus maximus*, and thirty-six jars, including a number of types.
 S. N. Rhoads. *Chrysemys picta*, N. J. Fifty-four jars, Penna.
 H. E. Sargent. One jar.
 Harold Sharp. *Anolis principialis*.
 Graham Spencer. Skin of *Crotalus adamanteus*.
 F. Stearns. Three mounted turtles, Liu Kiu Isl.
 Purchased. *Daboia russelii*, *Naja haje*, casts of *Megalobatrachus maximus*, *Iguana tuberculata*.

FISHES.

- J. R. Moore. *Salmo blakistoni*, Yezzo, Japan.
 D. N. McCadden. *Cottus viscosus*, Port Kennedy, Pa.
 L. Woolman. One jar, *Mustelus canis*.
 C. D. Clark. *Remora*, Bay Head, N. J.

CRUSTACEA.

- Mrs. I. C. Martindale. Two *Limulus polyphemus*.
 S. N. Rhoads. One jar *Cambarus*, Greene Co., Pa.

ECHINI, WORMS, CORALS, ETC.

- F. Stearns. *Gorgonia*, Liu Kiu Isl.

RECENT MOLLUSCA.

- Edwin A. Barber. One tray *Littorina irrorata* from Longport, N. J.
 W. T. Bednall. Forty-one trays of South Australian mollusks, including types of several Chitons.
 F. C. Blanes. Four trays and five bottles of mollusks from Cuba.
 S. and F. H. Brown and Witmer Stone. Ninety-six trays mollusks from Cape May, Pt. Pleasant, Atlantic City, etc., etc., in N. J.
 F. Burns. One tray *Anodonta fluviatilis* from Washington, D. C.
 Mrs. G. W. Carpenter. One tray of *Unio nicklinianus* Lea from Candalaria Lake, Mexico.
 G. H. Clapp. One tray of *Polygyra hirsuta* from Edgeworth, Pa., and one of *Eulota fasciola* from China.
 W. B. Clark. One tray *Latirus subrostrata* from Columbia.
 M. Cossmann, in exch. One tray *Planorbis Rollandi* from Algeria.

- Conchological Section. *Columbarium pagoda*, *Ischnochiton tigrinus* and types of *I. Elizabethensis*. (Purchased.)
- Dr. J. C. Cox. Seventy-two trays and six bottles of mollusca from Australia.
- W. W. Dall. Eight trays of mollusks from Bahamas.
- W. H. De Camp. One tray of *Polygyra plagioglossa* from Mexico.
- Mrs. H. E. Dwight. Eight trays of West Indian mollusks.
- Dr. L. F. Flick. Pearl from *Ostraea virginica*.
- John Ford, Fourteen trays of mollusks.
- Jas. Green. Eight trays of mollusks from Vicksburg, Miss.
- Chas. Hedley. One tray of *Gundlachia petterdi* from S. Australia.
- Heilprin Expedition. *Bulla occidentalis* from Mexico.
- J. B. Henderson. One tray and eighteen bottles of land mollusks from Jamaica.
- Mrs. A. Hockley. One *Tridacna gigas*.
- Geo. C. Hubbard. *Pupa holzingeri* from St. Cloud, Minn.
- Dr. W. E. Hughes. *Polygyra dentifera* from Lac aux Sables, Prov. Q., Canada.
- Prof. F. W. Hutton. *Helcioniscus flavus*, *Patella kermadecensis*, and *Chiton canaliculatus* from New Zealand.
- J. E. Ives. *Littorina litorea* and *Purpura lapillus* from Gloucester, Mass.
- W. W. Jefferis. One tray *Unio complanatus* from Hudson River, N. Y.
- C. W. Johnson. One tray *Actaeon punctostriatus* from Micco, Indian River, Fla. *Bulla adansoni* from Corsico, W. Africa.
- H. Lemon. *Aplysia* cast up at Cape May, N. J.
- Geo. Lichtenthaler coll. Two trays of marine mollusks.
- W. L. Lockington. One tray *Trachydermon raymondi*.
- Geo. T. Marston. *Valvata sincera* from Madison, Wis.
- J. R. Mead. *Anodonta bealei* and *Unio parvus* from Panther Creek, Kingman Co., Kas.
- Miss K. Musson. One tray *Polygyra thyroides*, Ashbourne Heights, Pa.
- C. J. Newcombe. Eleven trays of mollusks from Victoria, B. C.
- H. A. Pilsbry. *Helix fultoni* from Khasi Hills, India. *Chiton discolor* from New Caledonia. *Ancylus parallelus* from Lebanon Springs, N. Y., and *Polygyra multilineata* from Iowa City, Iowa. *Unio trapezoides* from Ark.
- H. A. Pilsbry and J. E. Ives Four trays of mollusca from Pa., Ind., and W. Va.
- Purchased. *Argonauta argo*, Palm Beach, south of Lake Worth, Florida.
- W. J. Raymond. Three trays *Trachydermon raymondi* from California. Types.
- S. N. Rhoads. Twenty-eight trays and nine bottles of mollusca from Greene Co., Pa. *Vitræa arborea* from Sea Girt N. J.

- John Ritchie, Jr. Specimens of *Gibbula richardi*, *Monodonta lugubris*, and *Philomyces carolinensis*.
- E. W. Roper. Types of *Bulla roperiana* and tray of *B. striata* from the Balearic Isles. Type of *Patella kermadecensis* from Kermadec Isl.
- H. E. Sargent. Seventeen trays of mollusks from Alabama.
- M. Schiek. One tray and one bottle of *Helix alauda* from Cuba.
- Ida M. Shepard. Collection of Californian shells in exchange.
- Dr. H. Skinner. *Littorina irrora*; one tray from Anglesea, N. J.
- Dr. H. A. Slocum. Collection of mollusks from raised beach in Sweden.
- Fr. Stearns. Thirty-five trays of mollusks from Japan; one bottle of *Bulla gouldiana* from Coronado, Cal.
- L. H. Strang. *Nassa exilis* from Panama; *Goniobasis alabamensis* from Ala.
- S. Stupakoff. Six trays mollusks from Pa. and Ill.
- H. Suter. One tray *Gundlachia woodsi* from River Avon, and one bottle of *Plaxiphora terminalis* from N. Zealand; nine trays land shells from N. Zealand.
- E. G. Vanatta. Twenty-two trays of mollusks.
- H. A. Van Nostrand. Five trays of mollusks from Japan, presented through S. R. Roberts.
- Geo. W. Webster. *Strobilops hubbardi* from Lake Helen, Fla.
- A. G. Wetherby. Numerous shells from North Carolina, Kentucky and Tennessee, including one of the original lot of *Polygyra wetherbyi* Bld.
- Louis Woolman. One tray *Unio complanatus* from Harrisonville, N. J.; *Chrysodoma stimpsoni* from Nantucket.
- G. W. Wright. *Odostomia lactea* from Auckland, New Zealand.

VERTEBRATE FOSSILS.

- E. D. Cope. Eleven species fossil vertebrata (7 types), Kansas, Oklahoma, and Dakota, Cope Expedition, 1893.
- H. C. Mercer. Earth and fossil bones from Hartman's Cave, Pa.

INVERTEBRATE FOSSILS.

- H. C. Borden. Fossils from Lenola, N. J.
- Dr. H. C. McCook. Three ammonites.
- Dr. H. A. Slocum. Three trays *Orthoceras*, Sweden.
- Lewis Woolman. Cretaceous fossils from Lenola, N. J.

PLANTS.

- Prof. Benjamin Sharp. Sixty-nine species of Hawaiian plants; also five photographic views of the same.

- Dr. J. Bernard Brinton. Sixty species of plants, collected on Merritt's Island, Florida, by A. A. Baldwin, in 1893.
- Alexander McElwee. *Zinnia grandiflora* and *Pinus edulis*, from New Mexico. *Cassia tora* and *Sesbania macrocarpa*, introduced near Lansdowne, Phila., and brought to notice by Prof. Macfarlane.
- Prof. José N. Rovirosa. Thirty-six species of ferns from Chiapas, Mexico.
- I. C. Hatch. *Cupressus macrocarpa*, from Monterey, Cala. (Monterey Cypress), *Araucaria excelsa*, and *Quercus suber* (Cork Oak), cultivated at Santa Cruz, Cal., also section of a young tree of the latter.
- Mrs. Ross Lewers. *Pyrola rotundifolia* var. *bracteata*, *Pyrola aphylla*, *Heuchera micrantha*, *Woodsia Oregana*, and *Pellaea Bridgesii*, from Reno Co., Nevada.
- Dr. Charles Schæffer. Hough's Sections of N. American woods, Parts IV and V.
- William Trimble (through Dr. Schæffer). Specimens of double walnuts, from Concordville, Pa.
- Joseph Walton. *Chimonanthus fragrans*, both in flower and in leaf: a native of Japan, cultivated near Philadelphia..
- Prof. F. L. Scribner. *Hieracium Scribneri* and *Carex Austro-Carolinensis*, from Tennessee.
- Prof. C. S. Sargent. Photographic copy of a likeness of Stephen Elliott, botanist.
- Baron Ferdinand von Müller (through Thos. Meehan). Twenty-two species of Australian plants.
- Herbarium of Harvard University. Six hundred and forty-nine species of plants collected by the Schlagenweit brothers in Thibet, and in the Himalayas, in 1856. Fifty-one species collected in Nyassaland, Africa, by J. Buchanan, in 1891. Fifteen species collected in Dominica, W. I., by Ramage, and thirty-six species collected by Beardslee and Koford, mostly in North Carolina.
- Mrs. Susanna M. Gaskell. Double flowers of *Anemone Hepatica*, from Swarthmore, Pa.
- J. B. Ellis. Thirty-first and thirty-second Centuries of North American Fungi, named and arranged by Ellis and Everhart.
- Frederick Stearns. *Polyporus* (species), from Loo Choo Islands.
- J. Dolores Salaverria (through Prof. Sharp). Curious abnormal growth of wood, from El Progres, San Salvador, Central America.
- Roberts Le Boutillier. *Alpinia nutans* and eight species of tropical orchids cultivated by him.
- F. V. Coville, of U. S. Department of Agriculture, Division of Botany. One hundred and thirty-seven species of plants collected by the Death Valley Expedition in 1891.
- J. A. Crabtree. *Viola rotundifolia*, from Wissahickon, Phila.
- Andrew Steinemann. Curious fastigiate and spiral stem of *Asparagus officinalis*.

- Mrs. Katharine Brandegee. Series of Californian *Ceanothi*, illustrative of her "Studies in *Ceanothus*," consisting of thirteen species and twenty-four varieties or forms, in all eighty-seven sheets.
- Mrs. Fanny E. Briggs. Seven species plants from State of Washington.
- Dr. Lawrence Turnbull. Branch of oak with remarkable glomerate clusters of galls.
- Benjamin H. Smith. Forty-seven species of plants collected by him in Colorado, New Mexico, and California.
- W. W. Jefferis. Fifteen species of plants collected by him near Fort Edward, N. Y., also seed vessel of *Nelumbium luteum*, cultivated at Saratoga Springs.
- W. Tell, Austin, Texas (through Thos. Meehan). *Ipomoea pandurata* and *Acalypha radians*, from Austin, Texas.
- B. G. Onderdonk, Texas (through Thos. Meehan). *Antigonon cordatum*, native of Mexico, cultivated in Texas.
- Knut Bachlund. One hundred and ninety species of Scandinavian plants, collected by himself and others.
- Geo. E. Osterhout (through Thos. Meehan). Abnormal form (without spurs) of *Aquilegia caerulea*, from Colorado.
- T. Chalkley Palmer. *Isoetes saccharata*, from Elk River, Maryland.
- Prof. Thos. C. Porter. Seventeen species of plants from eastern Pennsylvania.
- Thomas Meehan. Ninety-eight species of South African plants, collected by Schlechter. Thirty-three species of exotic plants, mostly from cultivation. Thirty-six species of North American plants.
- John H. Redfield. Two hundred and fifty species of plants collected by C. G. Pringle, in Jalisco, Mexico, in 1893. One hundred and nineteen species of North American plants from J. H. Sandberg's Botanical Exchange, Minneapolis.
- Edward L. Rand and John H. Redfield. Thirty-seven species of plants from Mount Desert, Maine, and neighboring islands, continuing a series representing the Flora of that region.

MINERALS AND ROCKS.

- C. C. Bartlett. Staurolite and Garnet, N. H.
- Mrs. G. W. Carpenter. Two hundred and ninety-four trays minerals.
- E. D. Cope. Calcite, Fort Supply, Oklahoma.
- Copper Queen Mining Co. Malachite, Azurite, Cuprite and Copper, Arizona.
- E. A. Groth. Dolomite, Pa. Orthoclase, Beryl, Phila.
- T. J. Lewis. Two specimens.
- Thos. Nelson. One specimen.
- Jas. W. Pearce. Orthoclase, Pa.

Mrs. J. W. Queen. Basaltic column, Ireland.
T. D. Rand. Sixteen specimens.
J. E. Richardson. Enstatite, Bamle, Norway.
Dr. B. Sharp. Sixteen trays lava, one tray Chrysolite, Hawaii.
S. Tyson. Two trays.
Purchased for Vaux collection. Two hundred and eighteen trays.

MISCELLANEOUS.

J. Beaumont. Nests and alcoholic specimens of termites.
Dr. Wm. Camac. Nests of termites.
Rev. H. C. McCook. Wood bored by carpenter ants.
W. W. Jefferis. Hornet's nest.
Miss M. E. Lyndall. Malformed egg of common fowl.
J. M. Whelen. Barometer.
Women's Silk Culture Association. Six jars silk and cocoons.